



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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February 5, 1996

TO: File

THRU: Daron Haddock, Permit Supervisor

FROM: Wayne H. Western *W/HW*

RE: Midterm Review, Genwal Resources, Inc., Crandall Canyon Mine,
ACT015\032, Folder #2, Emery County, Utah

As part of the midterm review of the Crandall Canyon Mine, the Division reviewed the bond amount. The Division has determined that bond amount should be \$701,000 in 1999 dollars. Currently the bond amount is \$703,000 in 1999 dollars. Since the difference between the two amounts is only 0.3%, no bond adjustment is needed. Attached is an updated summary of the bond calculations.

I checked the permit map, digitized by Dan Smith, with the description of the permit boundaries described in the permit. The description of the permit boundaries and Plate 5-2 are consistent. However, there are discrepancies between Dan's map and Plate 5-2. I have E-mailed Dan and the problem will be corrected.

mbm
MID.WHW



Reclamation Cost Estimates
Crandall Canyon Mine
Genwal Coal Company
ACT/015/032
Revised January 1996 - WHW

Direct Costs

Demolition and Removal Costs	\$333,884
Earth Work Total	\$64,744
Drainage Total	\$60,690
Revegetation Total	\$19,166
Topsoil Total	\$45,059
Total Direct Costs	\$523,543

Indirect Costs

Monitoring and Maintenance (10%)	\$52,354
Contingency (10%)	\$52,354
Engineering Redesign (5%)	\$26,177
Mob/Demob (2.5%)	\$13,089
Contract Management Fee (5%)	\$26,177
Total Indirect Costs	\$170,151

Total Reclamation Costs (1995 \$)	\$693,694
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Inflation @2.68% for 2.5 years	\$6,822
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Bond Amount in 1999 Dollars	\$700,516
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Bond Amount Rounded to Nearest \$1,000	\$701,000
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